ABSTRACT

An oscilloscope adapter for a portable electronic device includes a

hardware interface connector and a computer program memory. The memory

stores computer program instructions that direct the electronic device to

5   collect data representative of a signal from an external source and display the

data as a waveform comprising individual data values as a function of time.

The user may select one or more of the scales of the graph. The adapter also

may include one or more of a model waveform database, a collected

waveform database, an application-specific database, and a language database.